

CLAIMS:

1. Apparatus for reproducing a digital information signal which is recorded on a first and a second layer of a record carrier, the digital information signal being divided into cells, each cell being recorded in at least one sector, the digital information signal comprising a first cell recorded on the first layer and a second cell recorded on the second layer, while in addition control data indicating that the first and the second cell have to be represented in a non-seamless manner one after the other is recorded on said record carrier, the apparatus comprising:
- reading means for reading the first cell from the first layer and the second cell from the second layer,
 - reading means for reading control data
 - control signal generation means for generating a control signal in dependence of the control data,
 - presentation means for presenting the first and second cell under control of the control signal,
- 15 characterized in that the control signal generating means is adapted to detect that the first cell is read from the first layer and the second cell is read from the second layer and generates a control signal indicating that the first and the second cell have to be presented seamlessly in dependence on said detection.
- 20 2. Apparatus as claimed in claim 1, the layers of said record carrier comprising sectors wherein each sector has a unique logical sector number, and the sectors being numbered in consecutive ascending order, the first cell being recorded in consecutive sectors and the second cell being recorded in consecutive sectors subsequent to the sectors of the first cell, characterized in that the control signal generating means is further adapted to detect that
- 25 the first cell and the second cell are read from consecutive logical sector numbers and generates a control signal indicating that the first and the second cell have to be presented seamlessly in dependence on said detection and on the detection that the first cell is read from the first layer and the second cell is read from the second layer.

3. Apparatus as claimed in claim 1 or 2, characterized in that the apparatus is arranged for reproducing a digital information signal which is recorded on a first and a second layer of a record carrier in accordance with a DVD-standard.

5 4. Method of reproducing a digital information signal which is recorded on a first and a second layer of a record carrier, the digital information signal being divided into cells, each cell being recorded in at least one sector, the digital information signal comprising a first cell recorded on the first layer and a second cell recorded on the second layer, while in addition control data indicating that the first and the second cell have to be represented in a
10 non-seamless manner one after the other is recorded on said record carrier, the method comprising the steps of:

- reading the control data
- reading the first cell from the first layer and the second cell from the second layer,
- detecting that the first cell is read from the first layer and the second cell is read from the
15 second layer so as to obtain a first detection signal,
- generating a control signal indicating that the first and the second cell have to be presented seamlessly in dependence on said first detection signal so as to substitute the control data read from the record carrier, and
- presenting the first and the second cell under the control of the control signal.

20 5. Method as claimed in claim 4, the layers of said record carrier comprising sectors wherein each sector has a unique logical sector number and the sectors being numbered in consecutive ascending order, the first cell being recorded in consecutive sectors and the second cell being recorded in consecutive sectors subsequent to the sectors of the first
25 cell, wherein the method further comprises the step of:

- detecting that the first cell and the second cell are read from consecutive logical sector numbers so as to obtain a second detection signal, and the generating step is adapted to generate a control signal indicating that the first and the second cell have to be presented seamlessly in dependence on said first detection signal and said second detection signal.

30 6. Method as claimed in claim 4 or 5, characterized in that the method is arranged for reproducing a digital information signal which is recorded on a first and a second layer of a record carrier in accordance with a DVD-standard.